

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 June 2005 (23.06.2005)

PCT

(10) International Publication Number
WO 2005/056575 A2

- (51) International Patent Classification⁷: **C07K**
- (21) International Application Number:
PCT/US2004/040381
- (22) International Filing Date: 3 December 2004 (03.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/526,859 3 December 2003 (03.12.2003) US
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INTEGRIN $\alpha_{IIb}\beta_3$ SPECIFIC ANTIBODIES AND PEPTIDES

| V _H | FR1 | CDR1 | FR2 | CDR2 | FR3 | CDR3 | FR4 |
|----------------|--------------------------------|----------------------|-------------------|-------------------------------|------------------|-------|-----|
| 1 | 30 31 35 36 | 49 50 | 65 66 | 97 98 | 113 114 118 | | |
| RAD87 | EVQLLESGGGLVQPGGSLRLSCAAGSPTFS | SYAMH WVRQAPGKGLEWVS | AIQTGGG TYVADSVKG | RFTISRDNKNSLYLQNSLRADTAVVYCAR | VRVVCRAIDRCYAMDV | WGQGT | |
| RAD9 | EVQLLESGGGLVQPGGSLRLSCAAGSPTFS | SYAMH WVRQAPGKGLEWVS | AIQTGGG TYVADSVKG | RFTISRDNKNSLYLQNSLRADTAVVYCAR | VRVVCRAIDRCYAMDV | WGQGT | |
| RAD12 | EVQLLESGGGLVQPGGSLRLSCAAGSPTFS | SYAMH WVRQAPGKGLEWVS | AIQTGGG TYVADSVKG | RFTISRDNKNSLYLQNSLRADTAVVYCAR | VRVVCRAIDRCYAMDV | WGQGT | |
| RAD14 | EVQLLESGGGLVQPGGSLRLSCAAGSPTFS | SYAMH WVRQAPGKGLEWVS | AIQTGGG TYVADSVKG | RFTISRDNKNSLYLQNSLRADTAVVYCAR | VRVVCRAIDRCYAMDV | WGQGT | |
| RAD3 | EVQLLESGGGLVQPGGSLRLSCAAGSPTFS | SYAMH WVRQAPGKGLEWVS | AIQTGGG TYVADSVKG | RFTISRDNKNSLYLQNSLRADTAVVYCAR | VRVVCRAIDRCYAMDV | WGQGT | |
| RAD32 | EVQLLESGGGLVQPGGSLRLSCAAGSPTFS | SYAMH WVRQAPGKGLEWVS | AIQTGGG TYVADSVKG | RFTISRDNKNSLYLQNSLRADTAVVYCAR | VRVVCRAIDRCYAMDV | WGQGT | |
| RAD8 | EVQLLESGGGLVQPGGSLRLSCAAGSPTFS | SYAMH WVRQAPGKGLEWVS | AIQTGGG TYVADSVKG | RFTISRDNKNSLYLQNSLRADTAVVYCAR | VRVVCRAIDRCYAMDV | WGQGT | |
| RAD1 | EVQLLESGGGLVQPGGSLRLSCAAGSPTFS | FYQMS WVRQAPGKGLEWVS | GVSSGILTYAASVRG | RFTISRDNKNSLYLQNSLRADTAVVYCAR | VRVVCRAIDRCYAMDV | WGQGT | |

(57) Abstract: The present invention provides integrin $\alpha_{IIb}\beta_3$ specific antibodies and peptides. The antibodies and peptides demonstrate little or no immunoreactivity with other integrins. Methods for inhibiting platelet aggregation using the antibodies and peptides are also provided.



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